

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	624	(438/259).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/04 22:27
L2	531	(438/266).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/04 22:27
L3	302	(438/267).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/04 22:27
L4	1336	1 or 2 or 3	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/04 22:28
L5	195	4 and @ad <= "19970708"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/04 22:30
L6	667	4 and @ad <= "20010824"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/04 22:31
L7	472	6 not 5	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/04 22:31
L8	36320	floating adj gate\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/04 22:40
L9	49122	control adj gate\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/04 22:40

## EAST Search History

L10	139	(("20020195649") or ("20020142546") or ("6764901") or ("6756622") or ("6689660") or ("6680864") or ("6610566") or ("6597037") or ("6580124") or ("6537871") or ("6528837") or ("6515510") or ("6504201") or ("6498065") or ("6492233") or ("6486703") or ("6486027") or ("6476434") or ("6465298") or ("6399979") or ("6381168") or ("6350635") or ("6323719") or ("6317357") or ("6304483") or ("6294418") or ("6255708") or ("6246083") or ("6242775") or ("6238976") or ("6221788") or ("6208164") or ("6191470") or ("6191448") or ("6181196") or ("6181121") or ("6172535") or ("6172391") or ("6165836") or ("6157061") or ("6156607") or ("6156604") or ("6153468") or ("6150687") or ("6143636") or ("6134175") or ("6124729") or ("6104061") or ("6072209") or ("6066869") or ("6043527") or ("6040210") or ("6025225") or ("5998820") or ("5991225") or ("5990509") or ("5973356") or ("5973352") or ("5963469") or ("5943267") or ("5936274") or ("5933717") or ("5914511") or ("5909618") or ("5907170") or ("5879971") or ("5874760") or ("5852375") or ("5821796") or ("5789967") or ("5753947") or ("5731609") or ("5714793") or ("5705415") or ("5696011") or ("5696008") or ("5691230") or ("5646900") or ("5644540") or ("5641545") or ("5640350") or ("5640342") or ("5616934") or ("5574299") or ("5563083") or ("5528173") or ("5519236") or ("5510730") or ("5508544") or ("5508542") or ("5502629") or ("5495441") or ("5483094") or ("5460988") or ("5451889") or ("5451538") or ("5445986") or ("5432739") or ("5429955") or ("5427972") or ("5414287") or ("5409563") or ("5396093") or ("5392245") or ("5386132") or ("5385854") or ("5379255") or ("5365477") or ("5363325") or ("5320880") or ("5316962") or ("5292676") or ("5266514") or ("5223081") or ("5216266") or ("5202278") or ("5181080") or ("5177576") or	US-PGPUB; USPAT	OR	OFF	2006/09/04 22:43
9/5/06 1:38:36 AM	C:\Documents and Settings\schell1\My Documents\EAST\workspaces\09866938.wsp				Page 2	

## EAST Search History

L11	139	(( "20020195649" ) or ( "20020142546" ) or ( "6764901" ) or ( "6756622" ) or ( "6689660" ) or ( "6680864" ) or ( "6610566" ) or ( "6597037" ) or ( "6580124" ) or ( "6537871" ) or ( "6528837" ) or ( "6515510" ) or ( "6504201" ) or ( "6498065" ) or ( "6492233" ) or ( "6486703" ) or ( "6486027" ) or ( "6476434" ) or ( "6465298" ) or ( "6399979" ) or ( "6381168" ) or ( "6350635" ) or ( "6323719" ) or ( "6317357" ) or ( "6304483" ) or ( "6294418" ) or ( "6255708" ) or ( "6246083" ) or ( "6242775" ) or ( "6238976" ) or ( "6221788" ) or ( "6208164" ) or ( "6191470" ) or ( "6191448" ) or ( "6181196" ) or ( "6181121" ) or ( "6172535" ) or ( "6172391" ) or ( "6165836" ) or ( "6157061" ) or ( "6156607" ) or ( "6156604" ) or ( "6153468" ) or ( "6150687" ) or ( "6143636" ) or ( "6134175" ) or ( "6124729" ) or ( "6104061" ) or ( "6072209" ) or ( "6066869" ) or ( "6043527" ) or ( "6040210" ) or ( "6025225" ) or ( "5998820" ) or ( "5991225" ) or ( "5990509" ) or ( "5973356" ) or ( "5973352" ) or ( "5963469" ) or ( "5943267" ) or ( "5936274" ) or ( "5933717" ) or ( "5914511" ) or ( "5909618" ) or ( "5907170" ) or ( "5879971" ) or ( "5874760" ) or ( "5852375" ) or ( "5821796" ) or ( "5789967" ) or ( "5753947" ) or ( "5731609" ) or ( "5714793" ) or ( "5705415" ) or ( "5696011" ) or ( "5696008" ) or ( "5691230" ) or ( "5646900" ) or ( "5644540" ) or ( "5641545" ) or ( "5640350" ) or ( "5640342" ) or ( "5616934" ) or ( "5574299" ) or ( "5563083" ) or ( "5528173" ) or ( "5519236" ) or ( "5510730" ) or ( "5508544" ) or ( "5508542" ) or ( "5502629" ) or ( "5495441" ) or ( "5483094" ) or ( "5460988" ) or ( "5451889" ) or ( "5451538" ) or ( "5445986" ) or ( "5432739" ) or ( "5429955" ) or ( "5427972" ) or ( "5414287" ) or ( "5409563" ) or ( "5396093" ) or ( "5392245" ) or ( "5386132" ) or ( "5385854" ) or ( "5379255" ) or ( "5365477" ) or ( "5363325" ) or ( "5320880" ) or ( "5316962" ) or ( "5292676" ) or ( "5266514" ) or ( "5223081" ) or ( "5216266" ) or ( "5202278" ) or ( "5181080" ) or ( "5177576" ) or	US-PGPUB; OR USPAT	OFF	2006/09/04 22:43
-----	-----	--	--------------------	-----	------------------

## EAST Search History

L12	1	("6043527").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/04 22:43
L13	1	("6072209").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/04 22:43
L14	40	((3,657,575") or ("3,806,741") or ("4,051,354") or ("4,604,162") or ("4,920,065") or ("4,958,318") or ("4,987,089") or ("5,006,909") or ("5,017,504") or ("5,021,355") or ("5,028,977") or ("5,057,896") or ("5,072,269") or ("5,110,752") or ("5,128,831") or ("5,156,987") or ("5,177,576") or ("5,202,278") or ("5,216,266") or ("5,223,081") or ("5,266,514") or ("5,292,676") or ("5,316,962") or ("5,320,880") or ("5,385,854") or ("5,392,245") or ("5,409,563") or ("5,414:287") or ("5,427,972") or ("5,432,739") or ("5,445,986") or ("5,451,889") or ("5,460,988") or ("5,483,094") or ("5,495,441") or ("5,502,629") or ("5,508,542") or ("5,519,236") or ("5,563,083") or ("5,574,299") or ("5,616,934")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/04 22:43
L15	11	((5,640,342") or ("5,641,545") or ("5,644,540") or ("5,646,900") or ("5,691,230") or ("5,705,415") or ("5,789,967") or ("5,821,796") or ("5,852,375") or ("5,909,618") or ("5,914,511")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/04 22:43
L16	7	((4,252,579") or ("4,929,988") or ("5,874,760") or ("5,943,267") or ("6,172,391") or ("6,221,788") or ("6,255,708")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/04 22:43
L17	7	((5181089") or ("5396093") or ("5451538") or ("5528173") or ("5696011") or ("5879971") or ("6208164")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/04 22:43

## EAST Search History

L18	38	(("3657575") or ("3806741") or ("4051354") or ("4252579") or ("4604162") or ("4920515") or ("4929988") or ("4958318") or ("4987089") or ("5006909") or ("5017504") or ("5021355") or ("5028977") or ("5057896") or ("5072269") or ("5110752") or ("5128831") or ("5156987") or ("5177576") or ("5202278") or ("5216266") or ("5223081") or ("5266514") or ("5292676") or ("5316962") or ("5320880") or ("5385854") or ("5392245") or ("5409563") or ("5414287") or ("5427972") or ("5432739") or ("5445986") or ("5451889") or ("5460988") or ("5483094") or ("5495441") or ("5502629")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/04 22:43
L19	21	(("5508542") or ("5519236") or ("5563083") or ("5574299") or ("5616934") or ("5640342") or ("5641545") or ("5644540") or ("5646900") or ("5691230") or ("5705415") or ("5789967") or ("5821796") or ("5852375") or ("5874760") or ("5909618") or ("5914511") or ("5943267") or ("6172391") or ("6221788") or ("6255708")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/04 22:43
L20	1	("5731609").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/04 22:43
L21	1	("6528837").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/04 22:43
L22	27	(("4,673,962") or ("4,920,065") or ("5,006,909") or ("5,017,504") or ("5,021,355") or ("5,057,896") or ("5,072,269") or ("5,177,576") or ("5,396,093") or ("5,414,287") or ("5,432,739") or ("5,451,538") or ("5,460,988") or ("5,483,094") or ("5,495,441") or ("5,519,236") or ("5,563,083") or ("5,691,230") or ("5,874,760") or ("5,879,971") or ("5,909,618") or ("5,914,511") or ("5,933,717") or ("5,943,267") or ("6,072,209") or ("6,172,391") or ("6,208,164")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/04 22:43

## EAST Search History

L23	139	L11 or L12 or L13 or L14 or L15 or L16 or L17 or L18 or L19 or L20 or L21 or L22	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/04 22:43
-----	-----	--	------------------------------	----	-----	------------------

## EAST Search History

L24	139	(( "20020195649" ) or ( "20020142546" ) or ( "6764901" ) or ( "6756622" ) or ( "6689660" ) or ( "6680864" ) or ( "6610566" ) or ( "6597037" ) or ( "6580124" ) or ( "6537871" ) or ( "6528837" ) or ( "6515510" ) or ( "6504201" ) or ( "6498065" ) or ( "6492233" ) or ( "6486703" ) or ( "6486027" ) or ( "6476434" ) or ( "6465298" ) or ( "6399979" ) or ( "6381168" ) or ( "6350635" ) or ( "6323719" ) or ( "6317357" ) or ( "6304483" ) or ( "6294418" ) or ( "6255708" ) or ( "6246083" ) or ( "6242775" ) or ( "6238976" ) or ( "6221788" ) or ( "6208164" ) or ( "6191470" ) or ( "6191448" ) or ( "6181196" ) or ( "6181121" ) or ( "6172535" ) or ( "6172391" ) or ( "6165836" ) or ( "6157061" ) or ( "6156607" ) or ( "6156604" ) or ( "6153468" ) or ( "6150687" ) or ( "6143636" ) or ( "6134175" ) or ( "6124729" ) or ( "6104061" ) or ( "6072209" ) or ( "6066869" ) or ( "6043527" ) or ( "6040210" ) or ( "6025225" ) or ( "5998820" ) or ( "5991225" ) or ( "5990509" ) or ( "5973356" ) or ( "5973352" ) or ( "5963469" ) or ( "5943267" ) or ( "5936274" ) or ( "5933717" ) or ( "5914511" ) or ( "5909618" ) or ( "5907170" ) or ( "5879971" ) or ( "5874760" ) or ( "5852375" ) or ( "5821796" ) or ( "5789967" ) or ( "5753947" ) or ( "5731609" ) or ( "5714793" ) or ( "5705415" ) or ( "5696011" ) or ( "5696008" ) or ( "5691230" ) or ( "5646900" ) or ( "5644540" ) or ( "5641545" ) or ( "5640350" ) or ( "5640342" ) or ( "5616934" ) or ( "5574299" ) or ( "5563083" ) or ( "5528173" ) or ( "5519236" ) or ( "5510730" ) or ( "5508544" ) or ( "5508542" ) or ( "5502629" ) or ( "5495441" ) or ( "5483094" ) or ( "5460988" ) or ( "5451889" ) or ( "5451538" ) or ( "5445986" ) or ( "5432739" ) or ( "5429955" ) or ( "5427972" ) or ( "5414287" ) or ( "5409563" ) or ( "5396093" ) or ( "5392245" ) or ( "5386132" ) or ( "5385854" ) or ( "5379255" ) or ( "5365477" ) or ( "5363325" ) or ( "5320880" ) or ( "5316962" ) or ( "5292676" ) or ( "5266514" ) or ( "5223081" ) or ( "5216266" ) or ( "5202278" ) or ( "5181089" ) or ( "5177576" ) or	US-PGPUB; USPAT	OR	OFF	2006/09/04 22:43
9/5/06 1:38:36 AM	C:\Documents and Settings\lchen11\My Documents\EAST\workspaces\09866938.wsp				Page 7	

## EAST Search History

L25	139	((("20020195649") or ("20020142546") or ("6764901") or ("6756622") or ("6689660") or ("6680864") or ("6610566") or ("6597037") or ("6580124") or ("6537871") or ("6528837") or ("6515510") or ("6504201") or ("6498065") or ("6492233") or ("6486703") or ("6486027") or ("6476434") or ("6465298") or ("6399979") or ("6381168") or ("6350635") or ("6323719") or ("6317357") or ("6304483") or ("6294418") or ("6255708") or ("6246083") or ("6242775") or ("6238976") or ("6221788") or ("6208164") or ("6191470") or ("6191448") or ("6181196") or ("6181121") or ("6172535") or ("6172391") or ("6165836") or ("6157061") or ("6156607") or ("6156604") or ("6153468") or ("6150687") or ("6143636") or ("6134175") or ("6124729") or ("6104061") or ("6072209") or ("6066869") or ("6043527") or ("6040210") or ("6025225") or ("5998820") or ("5991225") or ("5990509") or ("5973356") or ("5973352") or ("5963469") or ("5943267") or ("5936274") or ("5933717") or ("5914511") or ("5909618") or ("5907170") or ("5879971") or ("5874760") or ("5852375") or ("5821796") or ("5789967") or ("5753947") or ("5731609") or ("5714793") or ("5705415") or ("5696011") or ("5696008") or ("5691230") or ("5646900") or ("5644540") or ("5641545") or ("5640350") or ("5640342") or ("5616934") or ("5574299") or ("5563083") or ("5528173") or ("5519236") or ("5510730") or ("5508544") or ("5508542") or ("5502629") or ("5495441") or ("5483094") or ("5460988") or ("5451889") or ("5451538") or ("5445986") or ("5432739") or ("5429955") or ("5427972") or ("5414287") or ("5409563") or ("5396093") or ("5392245") or ("5386132") or ("5385854") or ("5379255") or ("5365477") or ("5363325") or ("5320880") or ("5316962") or ("5292676") or ("5266514") or ("5223081") or ("5216266") or ("5202278") or ("5191080") or ("5177576") or	US-PGPUB; USPAT	OR	OFF	2006/09/04 22:43
-----	-----	---	-----------------	----	-----	------------------

## EAST Search History

L26	1	("6043527").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/04 22:43
L27	1	("6072209").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/04 22:43
L28	40	((3,657,575") or ("3,806,741") or ("4,051,354") or ("4,604,162") or ("4,920,065") or ("4,958,318") or ("4,987,089") or ("5,006,909") or ("5,017,504") or ("5,021,355") or ("5,028,977") or ("5,057,896") or ("5,072,269") or ("5,110,752") or ("5,128,831") or ("5,156,987") or ("5,177,576") or ("5,202,278") or ("5,216,266") or ("5,223,081") or ("5,266,514") or ("5,292,676") or ("5,316,962") or ("5,320,880") or ("5,385,854") or ("5,392,245") or ("5,409,563") or ("5,414:287") or ("5,427,972") or ("5,432,739") or ("5,445,986") or ("5,451,889") or ("5,460,988") or ("5,483,094") or ("5,495,441") or ("5,502,629") or ("5,508,542") or ("5,519,236") or ("5,563,083") or ("5,574,299") or ("5,616,934")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/04 22:43
L29	11	((5,640,342") or ("5,641,545") or ("5,644,540") or ("5,646,900") or ("5,691,230") or ("5,705,415") or ("5,789,967") or ("5,821,796") or ("5,852,375") or ("5,909,618") or ("5,914,511")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/04 22:43
L30	7	((4,252,579") or ("4,929,988") or ("5,874,760") or ("5,943,267") or ("6,172,391") or ("6,221,788") or ("6,255,708")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/04 22:43
L31	7	((5181089") or ("5396093") or ("5451538") or ("5528173") or ("5696011") or ("5879971") or ("6208164")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/04 22:43

## EAST Search History

L32	38	(("3657575") or ("3806741") or ("4051354") or ("4252579") or ("4604162") or ("4920515") or ("4929988") or ("4958318") or ("4987089") or ("5006909") or ("5017504") or ("5021355") or ("5028977") or ("5057896") or ("5072269") or ("5110752") or ("5128831") or ("5156987") or ("5177576") or ("5202278") or ("5216266") or ("5223081") or ("5266514") or ("5292676") or ("5316962") or ("5320880") or ("5385854") or ("5392245") or ("5409563") or ("5414287") or ("5427972") or ("5432739") or ("5445986") or ("5451889") or ("5460988") or ("5483094") or ("5495441") or ("5502629")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/04 22:43
L33	21	(("5508542") or ("5519236") or ("5563083") or ("5574299") or ("5616934") or ("5640342") or ("5641545") or ("5644540") or ("5646900") or ("5691230") or ("5705415") or ("5789967") or ("5821796") or ("5852375") or ("5874760") or ("5909618") or ("5914511") or ("5943267") or ("6172391") or ("6221788") or ("6255708")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/04 22:43
L34	1	("5731609").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/04 22:43
L35	1	("6528837").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/04 22:43
L36	27	(("4,673,962") or ("4,920,065") or ("5,006,909") or ("5,017,504") or ("5,021,355") or ("5,057,896") or ("5,072,269") or ("5,177,576") or ("5,396,093") or ("5,414,287") or ("5,432,739") or ("5,451,538") or ("5,460,988") or ("5,483,094") or ("5,495,441") or ("5,519,236") or ("5,563,083") or ("5,691,230") or ("5,874,760") or ("5,879,971") or ("5,909,618") or ("5,914,511") or ("5,933,717") or ("5,943,267") or ("6,072,209") or ("6,172,391") or ("6,208,164")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/04 22:43

## EAST Search History

L37	139	L25 or L26 or L27 or L28 or L29 or L30 or L31 or L32 or L33 or L34 or L35 or L36	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/04 22:43
L38	139	L10 or L11 or L23 or L24 or L25 or L37	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/04 23:12
L39	1	("5990509").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/04 23:23
L40	1	("20010029077").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/05 00:21
L41	26	38 and 8 and 9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/05 00:22